#346.00-126

Patent
Attorney's Docket No. 027500-690

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Reissue Patent Application of |) HAND CARRY |
|--|-------------------------|
| U.S. Patent No. 5,088,108 UDDENFELDT et al. |) Group Art Unit: 2732 |
| Serial No.: 08/136,760 |) Examiner: H. Kizou |
| Filed: October 15, 1993 | Received |
| For: CELLULAR DIGITAL MOBILE RADIO SYSTEM AND METHOD OF TRANSMITTING INFORMATION IN A DIGITAL CELLULAR MOBILE RADIO SYSTEM | MAY 1 2 1998 Group 2700 |

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTC-1449 for the above-identified patent application.

| | • |
|-----|---|
| [] | No additional fee for submission of an IDS is required. |
| [X] | The fee of \$240.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed. |
| [] | A certification under 37 C.F.R. § 1.97(e) is also enclosed. |
| [] | A certification under 37 C.F.R. § 1.97(e), a petition requesting consideration of the |
| | information disclosure statement, and the petition fee of \$130.00 as set forth in 37 |
| | C.F.R. § 1.17(i) are also enclosed. |
| [] | Charge \$ to Deposit Account No. 02-4800 for the fee due. |
| ſΧΊ | A check in the amount of \$ 240.00 is enclosed for the fee due. |

Information Disclosure Statement Transmittal Letter Reissue of U.S. Patent No. <u>5.088.108</u>
Attorney's Docket No. <u>027500-690</u>

Page 2

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Steven M. du Bois

Registration No. 35,023

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

Date: May 12, 1998

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Reissue Application of |) HAND CARRY) | Received |
|--|------------------------|----------------------------------|
| U.S. Patent No. 5,088,108 UDDENFELDT et al. |)) | Received MAY 1 2 1998 Group 2700 |
| Serial No.: 08/136,760 |) Group Art Unit: 2732 | Group 2700 |
| Filed: October 15, 1993 |) Examiner: H. Kizou) | |
| For: CELLULAR DIGITAL MOBILE RADIO SYSTEM AND METHOD OF TRANSMITTING INFORMATION IN A DIGITAL CELLULAR MOBILE RADIO SYSTEM |)))) | |

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

U.S. PATENTS

| 3,819,872 | Hamrick | 06/25/74 |
|-----------|------------------|----------|
| 4,057,758 | Hattori et al. | 11/08/77 |
| 4,097,804 | Yamaguchi et al. | 06/27/78 |
| 4,112,257 | Frost | 09/05/78 |
| 4,222,115 | Cooper et al. | 09/09/80 |
| 4,255,814 | Osborn | 03/10/81 |
| 4,308,429 | Kai et al. | 12/29/81 |

Information Disclosure Statement Reissue of U.S. Patent No. 5,088,108 Attorney's Docket No. 027500-690 Page 2

| 4,383,332 | Glance et al. | 05/10/83 |
|-----------|---------------------|----------|
| 4,398,063 | Hass et al. | 08/09/83 |
| 4,490,830 | Kai et al. | 12/25/84 |
| 4,516,267 | Kent et al. | 05/07/85 |
| 4,596,042 | Stangl | 06/17/86 |
| 4,633,519 | Gotoh et al. | 12/30/86 |
| 4,667,202 | Kammerlander et al. | 05/19/87 |
| 4,675,863 | Paneth et al. | 06/23/87 |
| 4,696,051 | Breeden | 09/22/87 |
| 4,696,052 | Breeden | 09/22/87 |
| 4,697,260 | Grauel et al. | 09/29/87 |
| 4,698,839 | DeVaney et al. | 10/06/87 |
| 4,715,048 | Masamura | 12/22/87 |
| 4,718,081 | Brenig | 01/05/88 |
| 4,718,109 | Breeden et al. | 01/05/88 |
| 4,723,266 | Perry | 02/02/88 |
| 4,737,978 | Burke et al. | 04/12/88 |
| 4,759,051 | Han | 07/19/88 |
| 4,852,090 | Borth | 07/25/89 |
| 4,856,048 | Yamamoto et al. | 08/08/89 |
| 4,955,082 | Hattori et al. | 09/04/90 |
| 4,984,247 | Kaufmann et al. | 01/08/91 |
| 5,095,531 | Ito | 03/10/92 |
| | | |

FOREIGN PATENT DOCUMENTS

| 57-73539 | Japan | 05/08/82 |
|-----------|-------|----------|
| 58-111443 | Japan | 07/02/83 |
| 58-159083 | Japan | 09/21/83 |

Information Disclosure Statement Reissue of U.S. Patent No. 5,088,108 Attorney's Docket No. 027500-690 Page 3

| 59-176935 | Japan | 10/06/84 |
|------------|---------|----------|
| 59-212041 | Japan | 11/30/84 |
| 60-42950 | Japan | 07/03/85 |
| 60-52131 | Japan | 03/25/85 |
| 0045882 | Japan | 01/13/70 |
| 61-171269 | Japan | 08/01/86 |
| 62-132444 | Japan | 06/15/87 |
| WO87/01897 | PCT | 03/26/87 |
| DE3012141 | Germany | 10/01/81 |
| 2022425 | Germany | 11/25/71 |

OTHER DOCUMENTS

Nakajima, A., Advanced Mobile Communication Network Based on Signaling System No. 7", International Switching Symposium (1987)

Turin, G., Introduction to Spread-Spectrum Antimultipath Techniques and Their Application to Urban digital Radio, Proceedings of the IEE, Vol. 68, No. 3 (1980).

Monsen, P., Digital Transmisssion Performance on Fading Dispersive Diversity Channels, IEEE Transactions on Communications, Vol. COM-21, No. 1 (1973).

Raith, K. et al., Multi-Path Equalization For Digital Cellular Radio Operating at 300 KBIT/S, Proceedings of the 36th IEEE Vehicular Technology Conference (1986).

Bennett, M. et al., A Hand-Off Algorithm for Cellular Radio Based on Reed-Solomon Coding, Dialog Abstract from IEEE Colloquium on 'Mobile Radio Networks' (1988).

Information Disclosure Statement Reissue of U.S. Patent No. 5,088,108
Attorney's Docket No. 027500-690
Page 4

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialled copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:

Steven M. du Bois

Registration No. 35,023

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

Date: May 11, 1998